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ART 34 AMDT

Claims

1. A symmetrical hose coupling having coupling halves that include a fixing connection and a cam ring, characterized in that the fixing connection is designed in one piece with the cam ring, that the cams are made hook-shaped in the tangential direction and have radial surfaces transmitting axial forces, and that the
5 cams of the coupling halves engage into each other during coupling, the surfaces transmitting axial forces engaging behind each other in a bayonet-type fit.
2. The hose coupling as claimed in claim 1, characterized in that the surfaces, transmitting axial forces, of the cams are configured to be inclined in relation to
10 the tangential direction and as related to the relative rotation during coupling.
3. The hose coupling as claimed in claim 1 or 2, characterized in that the cam ring, in its end face facing the respective other coupling half and radially inwardly of the cams, has an annular undercut for receiving a shaped sealing ring having a sealing lip which in the uncoupled condition protrudes axially beyond the end face
15 of the cam ring.
4. The hose coupling as claimed in any of the preceding claims, characterized in that in the peripheral direction of the cam ring, the cams are arranged at distances from each other which are only slightly greater than the width of the cams in the peripheral direction.
- 20 5. The hose coupling as claimed in any of the preceding claims, characterized in that in the coupled condition, the coupling halves are locked against relative rotation by blocking means inserted between at least two adjacent cams.
6. The hose coupling as claimed in claim 5, characterized in that the blocking means are formed by a spacer element which is secured to a free end of a leaf
25 spring and engages into a circumferential gap between two adjacent cams of two fully coupled cam rings.

7. The hose coupling as claimed in any of the preceding claims, characterized in that in the coupled condition, the coupling halves are locked against relative rotation by retaining means that hold at least two adjacent cams together in the peripheral direction.